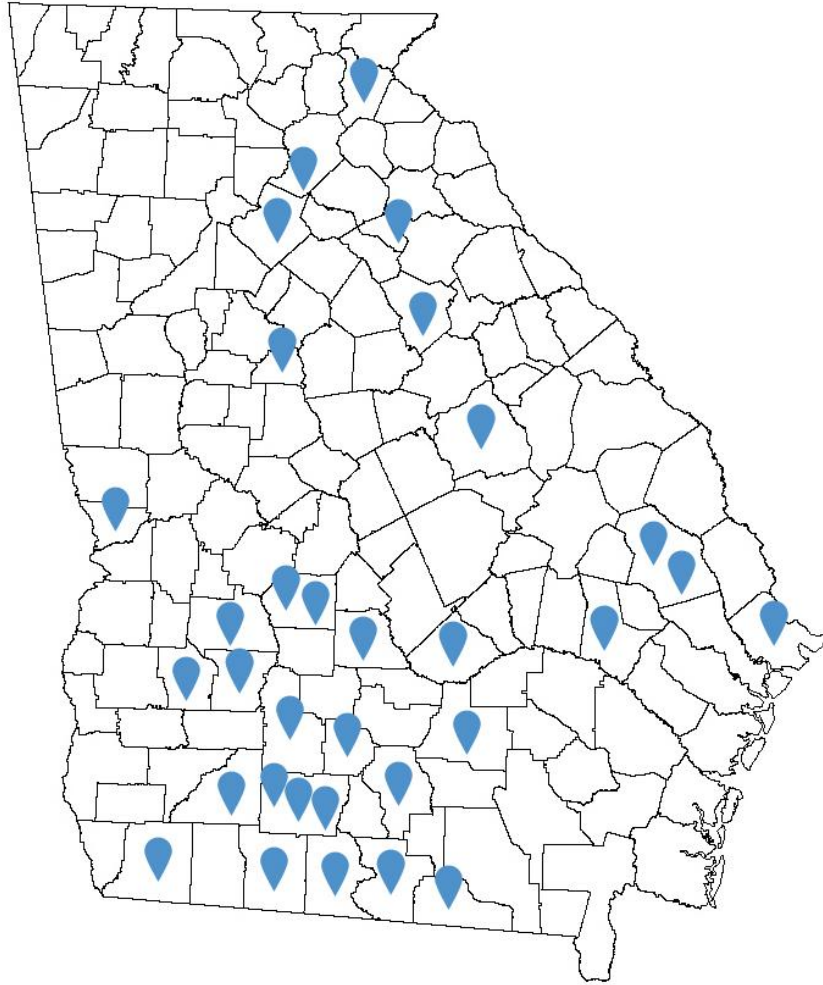


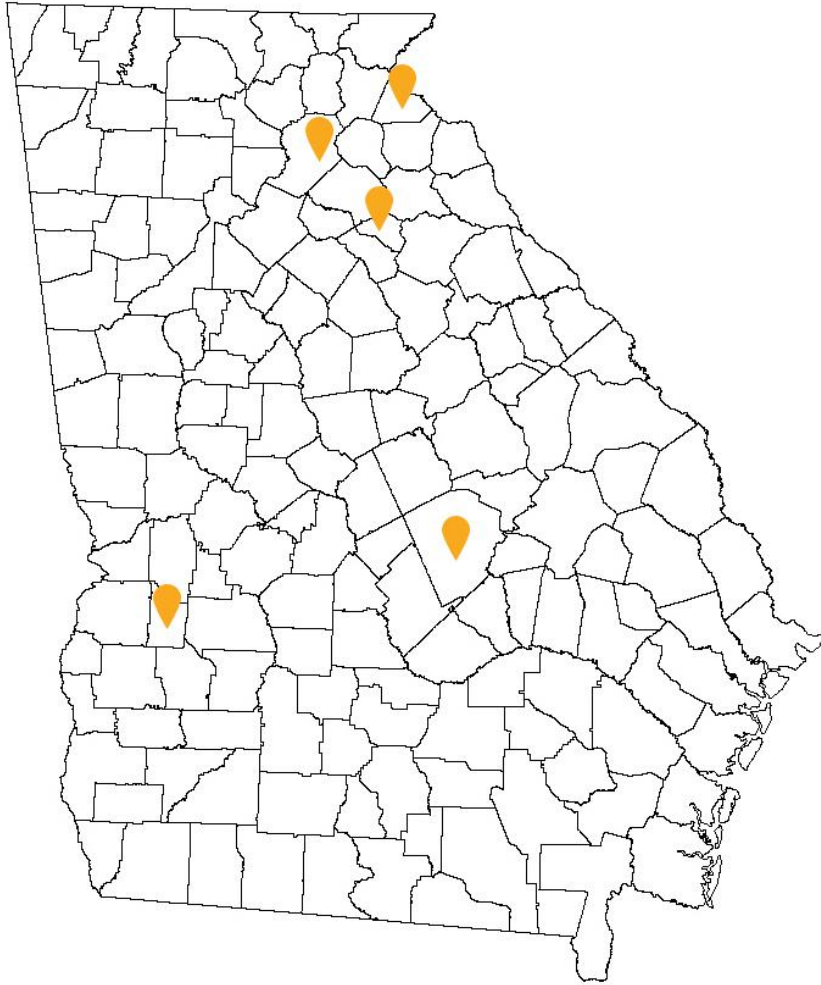
US EPA ARCHIVE DOCUMENT

# Current Regulations and Permitted Facilities



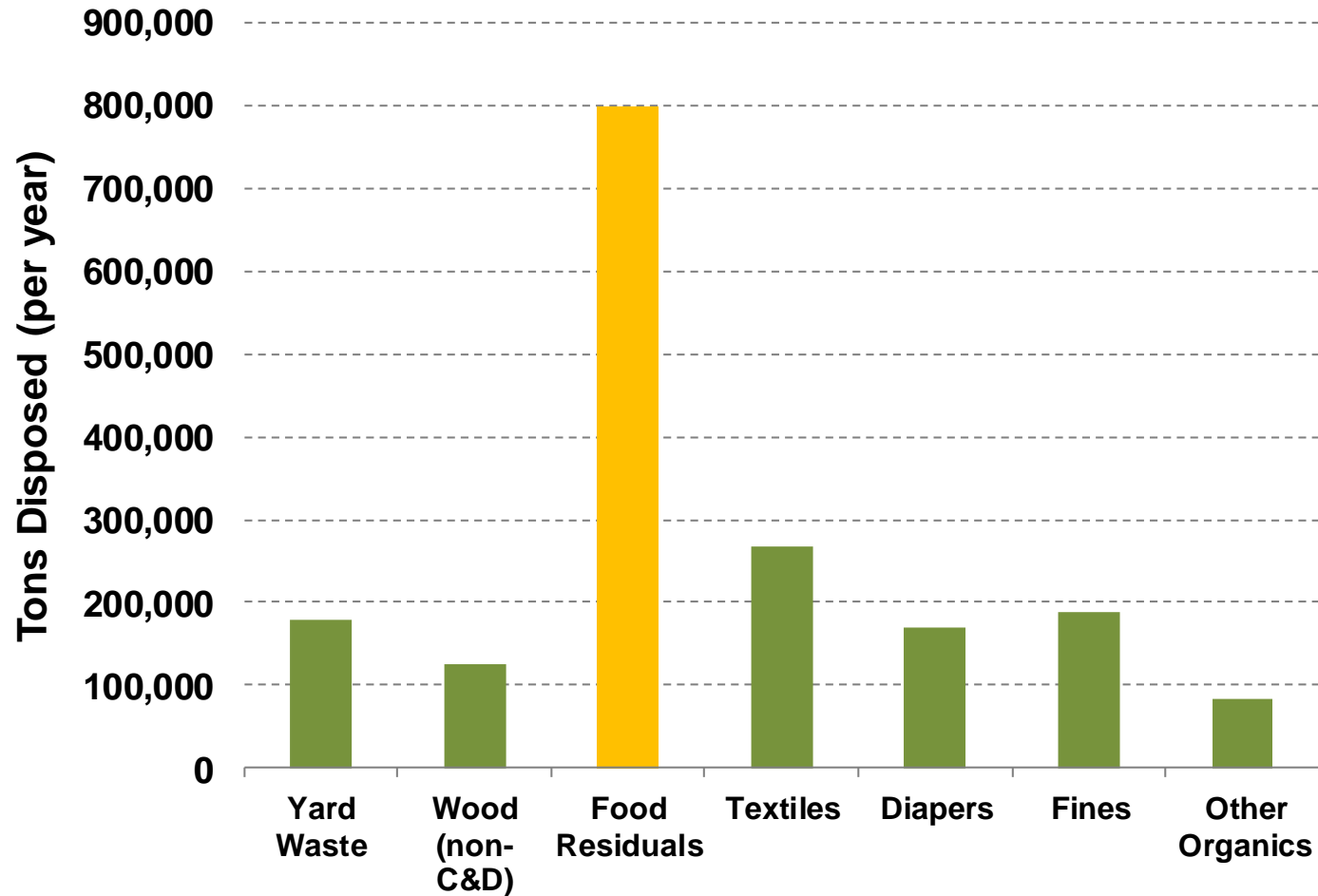
**DEPARTMENT OF NATURAL RESOURCES**

# Current Regulations and Permitted Facilities



DEPARTMENT OF NATURAL RESOURCES

# What Prompted the Proposed Amendments?



# Goals and Guiding Principles



**Divert Food  
Residuals from  
Landfills**

**Expand  
Composting  
Infrastructure**

Address regulatory  
barriers

Ensure Rules are science-based  
and effective

**Revise  
Solid  
Waste  
Rules**

Achieve balance between  
prescriptive and  
descriptive language

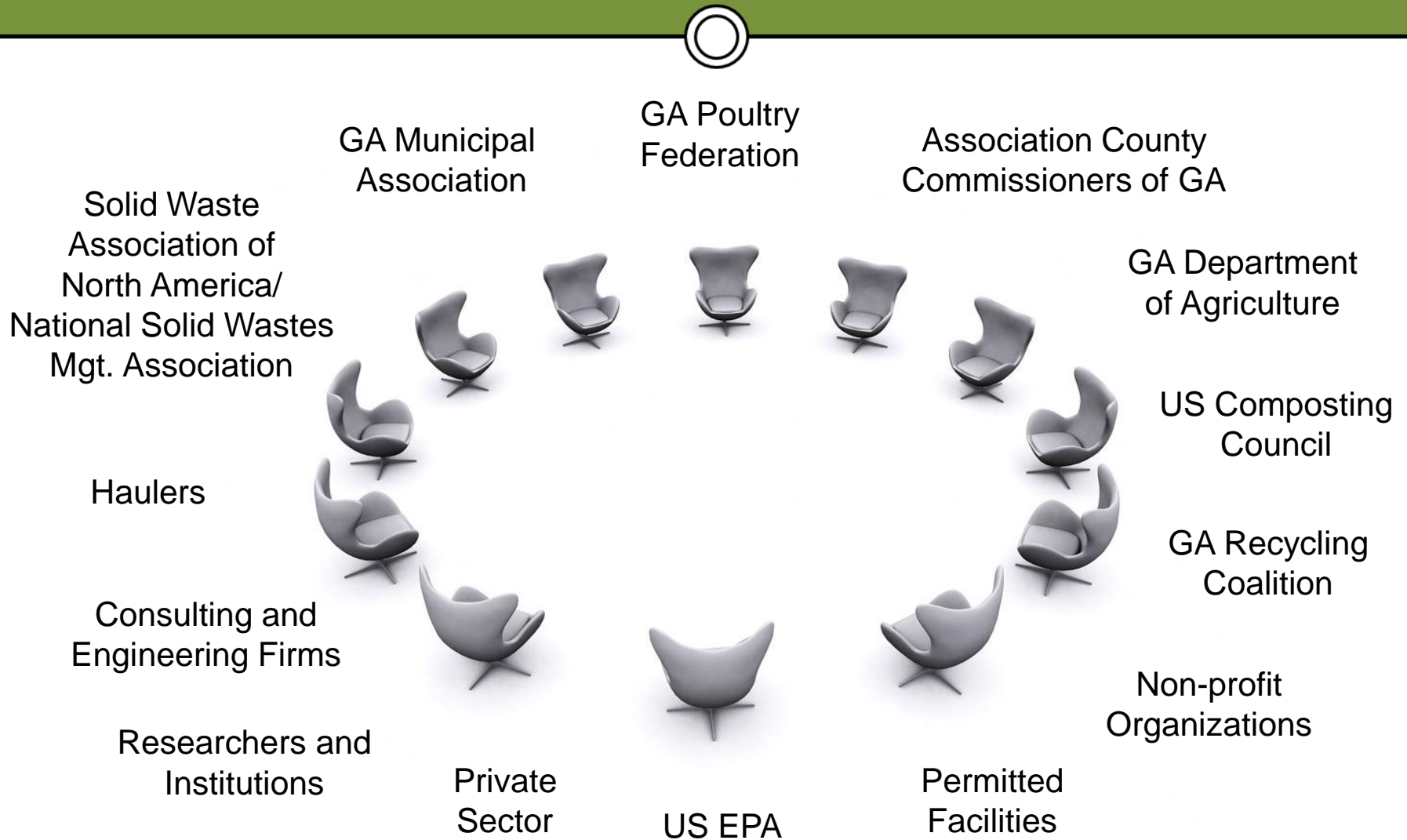
Use knowledge of industries  
and material flow

Aim for continual improvement as experience is  
gained, issues emerge, and technologies emerge





# Partnerships and Rulemaking Process



**DEPARTMENT OF NATURAL RESOURCES**

# Regulatory Barriers Identified by Stakeholders



- Definitions outdated or nonexistent
- Permitting hindered at local level by terms such as “waste”
- Permitting requirements only addressed for a limited number of feedstocks
- Lack of clarity about exempt facilities
- Level of detail needed in plans is not clearly stated
- Same siting, design and operating criteria applied to all facilities
- No flexibility to permit facilities based on feedstock or type of system; tiered permit structure needed



# Proposed Amendments



- Address barriers identified by stakeholders
- Adds and amends definitions, including:
  - Food residuals
  - Agricultural residuals
- Adds exemption section
- Creates four feedstock categories

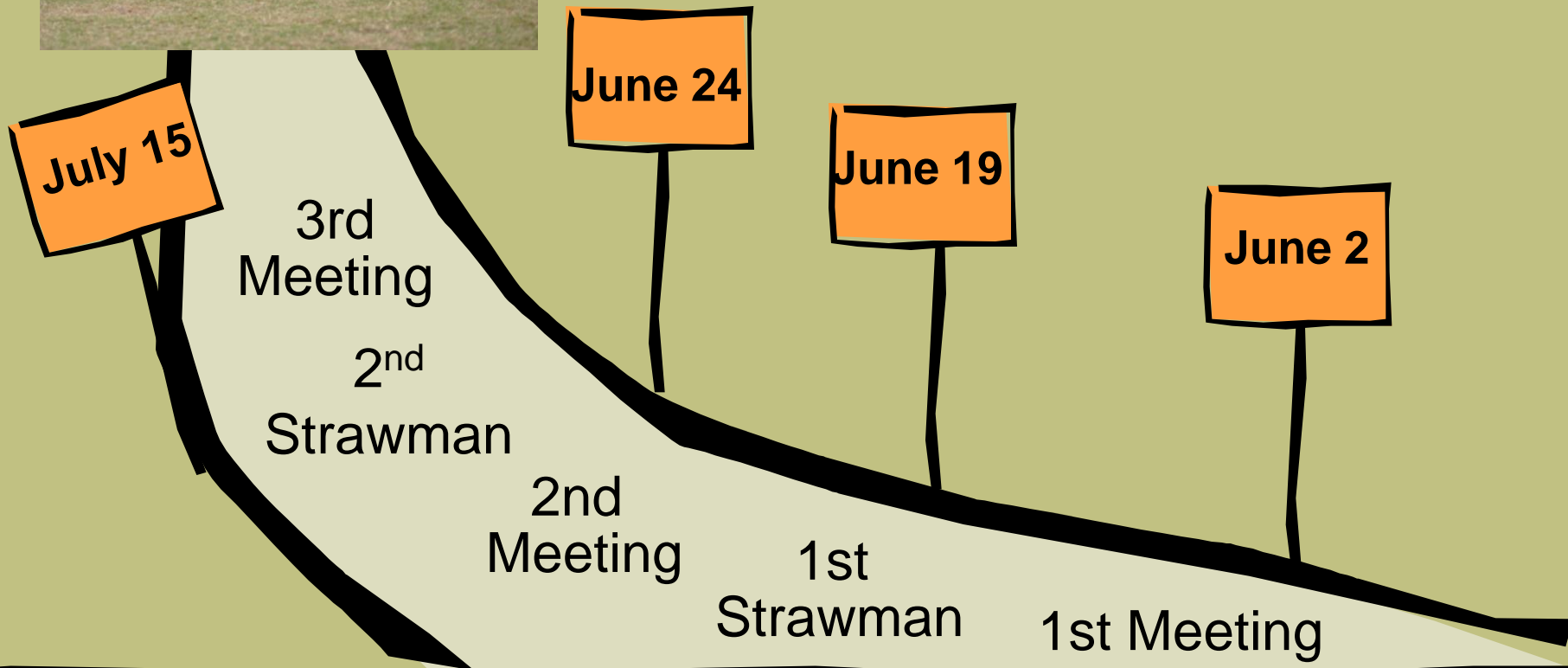
# Proposed Amendments



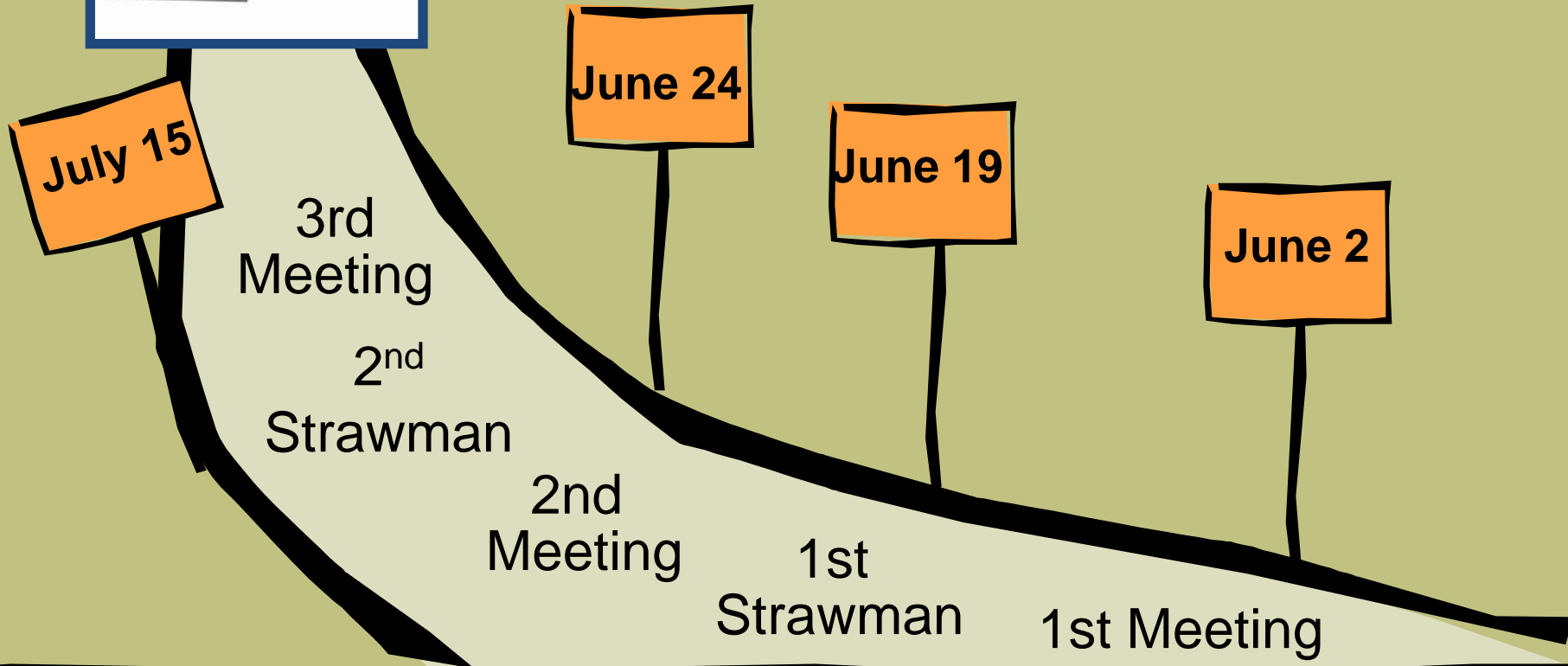
- Adds tiered permit structure based on feedstock categories
  - Classes are based on knowledge of material flow, current permitted facilities, and increased risk of human pathogens
  - Find right balance (descriptive vs. prescriptive)
- Adds specific design and operating requirements for each tier
  - Adds odor minimization plan
  - Adds more stringent pad requirements and groundwater monitoring for Class 4 and 5 facilities
- Clarifies requirements for various technologies
- Adds testing requirements based on tier



# Compost Rule Stakeholder Group Roadmap



# Compost Rule Stakeholder Group Roadmap





New DNR Commissioner  
**COMPOST RULE** Stakeholder Process  
New Director



2009

2010

2011

2012

**6 Changes in Management**

**2 Sessions with Yard Trimmings Legislation**

**1 Session to Reauthorize Funding Source**

**1 New Governor**

**2 Reorganizations**

***AND .....***

## 21 States Revising Rules\*

Alabama

California

Florida

Georgia

*Kentucky*

Maine

Massachusetts

Michigan

Minnesota

Nebraska

*New Jersey*

*North Carolina*

New York

*Ohio*

*Oregon*

*Pennsylvania*

South Carolina

Virginia

Vermont

Washington

Wisconsin

*Based on informal survey conducted in October 2010. States in italics were known to be revising their rules in 2009; however, no response from the state had been received when the list was compiled.*





# Gathering Information on Existing Rules



Metal Concentrations (ppm)	
Arsenic	41
Cadmium	39
Chromium*	1,200
Copper	1,500
Lead	300
Mercury	17
Molybdenum*	18
Nickel	420
Selenium*	100 (36)
Zinc	2,800

\*Rule amended: removed Mo (1994);  
removed Chromium, relaxed Se (1995)

## Not Following 503

Arkansas  
Florida  
Illinois  
Minnesota  
New York  
Tennessee  
Rhode Island  
Virginia  
Washington

## Following 503

Colorado  
Louisiana

## Following 503 ver. 1993

California  
Iowa  
Maryland  
North Carolina

# How Are We Using the Template?



- Replace language in our proposed Rules
  - Definitions
  - Testing
- Verify and compare language
- Initiate internal discussion
  - Pad requirements
  - Storage
  - Did we address everything?
- Quick Reference

# Comparison Between Proposed Rules in GA and Model Template



Requirements (Model)	GA
Requires Composting Facility Operations Plan	TBD
Requires documentation of operator training within first year	Class 3-6
Must meet time and temperature requirements in the PFRP	Class 3-6
Limits storage of finished compost to 12 months	Class 3-6

# For more information

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[www.gaepd.org/Documents/fwd.html](http://www.gaepd.org/Documents/fwd.html)